



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

THE AMERICAN MATHEMATICAL MONTHLY

OFFICIAL JOURNAL OF
THE MATHEMATICAL ASSOCIATION
OF AMERICA

DEVOTED TO THE INTERESTS OF COLLEGIATE MATHEMATICS

EDITED BY

H. E. SLAUGHT

W. H. BUSSEY

R. D. CARMICHAEL

WITH THE COÖPERATION OF

R. C. ARCHIBALD

R. P. BAKER

W. C. BRENKE

A. COHEN

B. F. FINKEL

L. C. KARPINSKI

G. H. LING

HELEN A. MERRILL

U. G. MITCHELL

D. A. ROTHROCK

C. S. SLICHTER

D. E. SMITH

PUBLISHED BY THE ASSOCIATION

THE AMERICAN MATHEMATICAL MONTHLY, FOUNDED IN 1894 BY BENJAMIN F. FINKEL, WAS
PUBLISHED BY HIM UNTIL 1912. FROM 1912 TO 1916 IT WAS OWNED AND PUBLISHED
BY REPRESENTATIVES OF FOURTEEN UNIVERSITIES AND COLLEGES
IN THE MIDDLE WEST

ISSUED MONTHLY EXCEPT IN JULY AND AUGUST

LANCASTER, PA., AND CHICAGO

Entered at the Post Office at Lancaster, Pa., as Second Class Matter

CONTENTS

The Significance of Mathematics. By E. R. HEDRICK.....	401
The Linear Function and the Line. By JOSEPH NYBERG.....	406
The Graph of $F(x)$ for Complex Numbers. By A. F. FRUMVELLER	409
An Intrinsic Equation Solution of a Problem of Euler. By P. R. RIDER...	420
BOOK REVIEW. Lehmer's <i>Synthetic Projective Geometry</i> . By W. H. BUSSEY	422
PROBLEMS AND SOLUTIONS	426
DISCUSSION. Relating to a Construction for the Graph of a Cubic. By PAUL CAPRON.....	436
NOTES AND NEWS	439
NOTES ON THE ASSOCIATION.....	444

EDITORIAL CORRESPONDENCE should be addressed to the MANAGING EDITOR, H. E. SLAUGHT,
5548 Kenwood Avenue, Chicago, Ill.

BUSINESS CORRESPONDENCE should be addressed to the SECRETARY-TREASURER of the
ASSOCIATION, W. D. CAIRNS, 27 King Street, Oberlin, Ohio.

Junior High School Mathematics

WENTWORTH—SMITH—BROWN

Book I

Book II

76 cents each

Usable textbooks in mathematics for the first and second years in junior high schools. The material in Book I comprises arithmetic and intuitive geometry, following the psychological sequence of form, size, and position, and introducing the algebraic formula when necessary.

Book II is devoted to algebra and arithmetic, each making use of the important facts presented in Book I.

GINN AND COMPANY

Boston
New York



Chicago
London